

CHOWANOW, I.M. [Khovanov, I.M.], k.n.t.

Measuring band brakes. Przegl mech 23 no. 21:615-618 10 N '64.

CHOWANSKI, Adam (Warszawa)

The largest lake island in Poland. Wszechswiat no.7/8:194-196
Jl-Ag '62.

CHOWANSKI, Wladyslaw

CHOWANSKI, Wladyslaw (Kalisz, Plac Bohaterow Stalingradu 15, m. 5.)

Perforation of the gastric wall by cod bone. Polski przegl. chir.
29 no.4:391-393 Apr 57.

1. Z Oddzialu Chirurgicznego Szpitala Miejskiego w Kaliszu Ordynator
oddzialu: dr W. Ganszer.

(STOMACH, perforation,
by fish bone (Pol))

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CIA-RDP86-00513R000509010014-1"

CHOYNOWSKI, Mieczyslaw

Application of marginal cards in medicin. Polski tygod. lek. 9 no.51-52:1639-1642 27 Dec 54.

1. Z Panstwowego Szpitala dla Nerwow i Psychicznie Chorych im Jozefa Badinskiego w Kobierzynie; dyrektor dr med. Jan Gallus.

(STATISTICS,

in med., technics)

(MEDICINE;

statist. in, technics)

CHOYNOWSKI, Mieczyslaw

Foundation of cybernetics and biological problems. Postepy wiedzy med.
4 no.3:239-277 July-Sept 57.

(CYBERNETICS,

in:biol., review (Pol))

(BIOLOGY,

cybernetics in, review (Pol))

CHOYNOWSKI, Mieczysław, dr

Research work of the Psychometric Laboratory of the Polish Academy of Sciences. Przegl psychol no. 7:50-60 '64.

1. Head, Psychometric Laboratory, Polish Academy of Sciences, Warsaw.

KAGAN, Z.S.; CHOYSHNER, G.; KRETOVICH, V.L.

Biosynthesis of valine and isoleucine in wheat sprouts:
dihydroxy acid dehydratase. Biokhimiia 29 no.4:624-635

Jl-Ag '64. (MIRA 18:6)

1. Institut biokhimii imeni Bakha AN SSSR i Tekhnologicheskii
institut pishchevoy promyshlennosti, Moskva.

KAGAN, Z.S.; CHOYSHNER, G.; KRETOVICH, V.L.

Biosynthesis of valine and isoleucine from their keto-
and dioxianalogs in flowering parasitic plants. Dokl.
AN SSSR 154 no.2:467-470 Ja'64. (MIRA 17:2)

1. Institut biokhimii im. A.N. Bakha AN SSSR i Tekhnologicheskii
institut pishchevoy promyshlennosti. 2. Chlen-korrespondent
AN SSSR (for Kretovich).

KAGAN, Z.S.; CHOYSHNER, G.

Synthesis and some properties of α,β -epoxy- β -methyl-n-valeric
(methylethylglycidic) acid. Izv. AN SSSR. Ser. khim. no.7:1222-
1225 '65. (MIRA 18:7)

1. Institut biokhimi i im. A.N.Bakha i Moskovskiy tekhnologicheskoy
institut pishchevoy promyshlennosti.

CHOYSHNER, Kh.; AUERMAN, L.Ya.

Using the AP-4 penetrometer for determining the baking properties of rye flour. Izv. vys. ucheb. zav.; pishch. tekhn. no.6:128-131 '63. (MIRA 17:3)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti, kafedra tekhnologii khlebopekarnogo proizvodstva.

CHOYSHNER, Kh.; AUERMAN, L.Ya.

Rapid method for determining the keeping quality of pressed
yeast in storage. Izv. vys. ucheb. zav.; pishch. tekhn. no.4:
141-143 '63. (MIRA 16:11)

1. Moskovskiy tekhnologicheskij institut pishchevoy
promyshlennosti, kafedra tekhnologii khlebopekarnogo
proizvodstva.

CHOYSHNER, Kh.; AUERMAN, L.Ya.

Determining the "strength" of wheat flour with the automated "AP-4"
penetrameter. Izv.vys.ucheb.zav.; pishch.tekh. no.5:147-151 '63.
(MIRA 16:12)

1. Moskovskiy tekhnologicheskoy institut pishchevoy promyshlennosti,
kafedra tekhnologii khlebopekarnogo proizvodstva.

CHPRAKOV, V.

Depression phenomena in the economy of the U.S.A. and monopoly's
attack on labor. Sov.profsoiuzy 1 no.4:14-20 D '53. (MLRA 6:12)
(United States--Economic conditions)

PRAVDIN, I.F.; CHPURNOV, V.S.; KULIKOV, N., redaktor; MANDEL'BAUM, M.,
tekhnicheskiy redaktor.

[Academician Lev Semenovich Berg (1876-1950) Akademik Lev Semenovich
Berg (1876-1950gg.). Kishinev, Gos. izd-vo Moldavii, 1956. 104 p.
(Berg, Lev Semenovich, 1876-1950) (MLRA 10:2)

CHRABELSKA, Janina, inż.arch.; MORDASEWICZ, Jerzy, inż.arch.

New designs of farmhouses for municipal agricultural supervisors. Budown
wiejskie 14 no.3:14-16 Mr '62

ZELENETSKAYA, Sof'ya Sergeyevna; CHRAKOVA, Tat'yana Porfir'yevna; POTAPOVA,
I.N., red.; BASHMAKOV, G.M., tekhn. red.

[Rheumatic fever in children and its control] Revmatizm u detei i
bor'ba s nim. Moskva, Medgiz, 1962. 13 p. (MIRA 16:2)
(RHEUMATIC FEVER)

CHRAMIEC, Jerzy

Analysis of the transient state in a parametric subharmonic oscillator. *Lacznosc Gdansk* no. 7:95-113 '63.

1. Department of Radio Receiving Engineering, Technical University, Gdansk.

CHRAMIEC, J.

On the gain and band width of a parametric superregenerative amplifier. Bul Ac Pol tech 12 no.10:709-715 '64.

1. Department of Radio Receiving Engineering of the Technical University, Gdansk. Submitted May 19, 1964.

CHRAMIEC, W.

"Technical and Economic Basis of Taking Water for Industrial Purposes
from the Reservoir in Goczalkowice." p. 457, (GOSPODARKA WODNA, Vol. 13,
No. 12, Dec. 1953. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC,
Vol. 3, No. 12, Dec. 1954, Uncl.

CHRAMIEC, W.

Plan of the Goczalkowice water supply. p. 486. GOSPODARKA WODNA,
Warszawa. Vol. 15, no. 12, Dec. 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956.

CHRAMIEC, W.

CHRAMIEC, W. The aqueduct from Pilica for Lodz District. p. 393.
Vol. 16, no.9, Sept. 1956. GOSPODARKA WODNA. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL), Vol. 6, No. 4--April 1957

CHRAMIEC, W.

Problems of water-supply development in the Upper Silesian Mining District. p. 200

GAZ, WODA I TECHNIKA SANITARNA (Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Sanitarnych, Ogrzewnictwa i Gazownictwa) Warszawa, Poland
Vol. 33, no. 5, May 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, September 1959
Uncl.

CHRAMIEC, W.; STEFANKO, Z.

Measurements of the water flow resistance in large dimensional pipelines made of various materials. Inz sanit Gliwice no.2: 93-109 '62.

CHRAMOSTA, M.

Standard structural elements in the construction of farm buildings. p. 165.
POZEMNI STAVBY. (Ministerstvo stavebnictvi) Praha. Vol. 3, no. 4, April 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress,
Vol. 4, No. 12, December 1955

CHRAMOSTA, Miroslav

Adaptace z emedelskych staveb. (Adaptation of the Farm Buildings. 1st ed. illus.)
Authors: Miroslav Chramosta, Bedrich Kostka, Jaroslav Harb. Prague, SZN, 1957.
147 p.

Problems of adapting various building in villages. Determination of their
usefulness, building materials, adaptation work, etc. A special part is
devoted to the adaptation of stables.

Bibliograficky katalog, CSR, Ceske knihy, No. 34. 1 Oct 57. p. 740.

CHRAMOSTOVA, O., promovany ekonon; CAMRA, J., inz.

Soviet firms. Pod org 17 no.7:332-334 J1 '63.

ZDOROV, P.A.; CHRAMOSTOVA, Olga, promovana ekonomka

New measures for improving the planning and control in industry and building in the Soviet Union. Pod org 17 no.5:237-238 My '63.

1. Technicko-organizacni vyzkumny ustav strojirensky (for Chramostova).

RECEIVED JAN 10 1947

and differences of Z_r , Z_s , gives formulas for Ω , when v increases by iK , when z is imaginary, and when z is real, as for Ω , for real z and v .

CHRAPAN, J.

Is life on other planets possible? p. 13.

(LUDOVY ROZHLAS., Vol. 9, no. 6, Feb. 1953, Czechoslovakia)

SO: Monthly List of East European Accessions, Vol. 2 #8, Library of Congress,
August 1953, Uncl.

U S S R .

1 - F/W

Chrapan, J. An explicit solution of the motion of a spherical pendulum using the Jacobian transcendental functions. Mat.-Fyz. Časopis. Slovensk. Akad. Vied 4, 55-69 (1954). (Slovak. Russian summary)

BB
Mat

24.4200

24137

SLOV/005/60/000/003/001/001

AUTHOR: Chrapan, Ján (Bratislava)

TITLE: Contribution to the bending theory of a thin bar

PERIODICAL: Matematicko-fyzikálny časopis, no. 3, 1960, 167-177

TEXT: This article describes the solution of the symmetrical bending of an elastic, homogenous, straight, thin bar, with an oblong loading as a problem of linked variation with an integral secondary condition. From the parametric equation of the bending-curve of the bar [Abstractor's note: the symbol L has been used for the bar length, to avoid confusion with l (numeral)]

$$c_1 = x_0 + L \left\{ \frac{E}{K} - \frac{1}{2} \right\}; x = x_0 + \frac{L}{K} \left[E \left\{ K \left(\frac{2s}{L} - 1 \right); k \right\} + E \right] - s; \quad (32)$$

the relation $1 - \frac{E}{K} = \frac{1}{2} - \frac{\phi}{L}$ (33) can be obtained for the condition of $s = L$; with the aid of this relation, the known displacement of the loaded bar-end yields the angle of direction α_0 of the

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SLOV/005/60/000/003/001/001

Contribution to the...

bar end points $0 \leq k^2 = \frac{1}{K^2} = \frac{H + \lambda \alpha}{2L\lambda} = \sin^2 \frac{\alpha_0}{2} < 1. \quad (20)$

and also the ordinates of a point, in which lies the maximum of the bar - bending - curve

$$\begin{aligned} x_{\max} &= [x]_{s=1/2L} = x_0 + 1/2(L-\alpha); \\ y_{\max} &= [y]_{s=1/2L} = k \frac{L}{K}. \end{aligned} \quad (36)$$

At the known bar loading force, the value of elastic energy for the bent bar can be calculated according to: $H = P(2k^2L - \alpha). \quad (47)$

The Young modulus of elasticity is calculated according to: $E = \frac{P}{J} \left(\frac{L}{2K}\right)^2 \quad (49),$

The relation: $\left(\frac{\pi}{L}\right)^2 J \leq P(\alpha) \left(\frac{4, 6, \dots}{L}\right)^2 J \quad (46)$

is the completion of Euler's bending - condition. The used constants

$$\begin{aligned} \xi &= \frac{1}{J}, \quad (7) \quad \text{and } c = -2\xi \cos \alpha \quad (10) \quad \text{are defined by the relations:} \\ \xi &= \left(\frac{2K}{L}\right)^2 \quad (27) \quad \text{and } c = -2(1 - 2k^2) \left(\frac{2K}{L}\right)^2; \quad (28) \end{aligned}$$

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Contribution to the...

The constant $\delta; \delta' = \frac{1}{\mu} q A^2 > 0$ (5) is determined from $\delta' = P \left(\frac{L}{2K} \right)^2$ (44)

for the known loading of the bar, or from the total elastic energy of the bar, measured by the method of progressive loading. The solution makes it possible to determine an experimental method for calculating Young's modulus of elasticity and for measuring the energy necessary for the bending of the thin bar (47). The relation

$$P(Q) = \left(\frac{2K}{L} \right)^2 \quad (43).$$

determines, when the geometric and elastic bar properties are known, the loading force in relation to the displacement of the loaded bar end. There are 7 non-Soviet-bloc references.

ASSOCIATION: Katedra fyziky vysokej školy pedagogickej v Bratislave
(Department of Physics, Pedagogic University, Bratislava)

SUBMITTED: November 11, 1957

Card 3/3

CHRAPAN, J.

A normal case of Poinsot precession. Acta r nat Univ Com 5 no.7:
379-395 '61.

USACEV, S.; OHRAPAN, J.

Construction of a Blackett type expansion cloud chamber. Acta
r nat Univ Com 6 no.7:375-383 '61.

1. Katedra fyziky, Universita Komenskeho, Bratislava, Smeralova 2.

CHRAPAN, Jan

Transformation of the Jacobi transcendental functions of the second order to a form with real argument. Mat fyz cas SAV 11 no.4:243-249 '61.

1. Katedra fyziky, Universita Komenskeho, Bratislava, Smeralova.

CHRAPAN, Jan, doc. RNDr.

Stationary flow field of a viscous incompressible fluid
in the environment of a hyperbolic vortical sink with a
circular nucleus. Vodohosp cas 12 no. 1: 78-91 '64.

1. Chair of Theoretical Physics, Faculty of Natural Sciences,
Comenius University, Bratislava.

CHRAPAVY, Jindrich

Spare part deliveries and the operation of the Czechoslovak Railroads.
Zel dop tech 11 no.10:286-287 '63.

CHRAPAVY, Jindrich

Spare units, parts, and material for rail vehicle repair. Zel
dop tech ll no.5:125-126 '63.

CHRAPKIEWICZ, S.

Sale of books in the Oswiecim District. p. 7; ROLNIK SPOLDZIELCA.
(Centrala Rolnicza Spoldzielni "Samopomoc Chlopska") Warszawa; Vol. 8,
no. 18, May 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress,
Vol. 4, No. 12, December 1955.

JANICKI, Jozef; FEDZIWIŁK, Franciszek; CHRAPKOWSKA, Krystyna

Effect of certain parameters on the stability of terramycin
in DK-1 feeding mixture. Roczniki Wyz Szkola Rol Poznan
no.13:157-171 '62.

1. Katedra Technologii Rolnej, Wyzsza Szkola Rolnicza,
Poznan.

CHRAPOWICKI, T.

Treatment of rickets. *Pediat.polska* 24 no.11:937-950 Nov 50.
(CJML 20:5)

1. Of Warsaw Children's Hospital No.1 (Director--Prof.R.Stankiewicz, M.D.).

CHRAPOWICKI, T.; TYRAKOWSKI, M.

Coexistence of skeletal roentgenographic modifications and of clinical manifestations in rickets. *Pediat.polska* 24 no.11:979-993 Nov 50.
(CML 20:5)

1. Of Warsaw Children's Hospital No.1 (Director--Prof.R.Stankiewics, M.D.)

CHRAPOWICKI, T.

~~CHRAPOWICKI, T.~~

Rickets control in 1950. *Pediat.polska* 24 no.11:1029-1030 Nov 50.
(CML 20:5)

CHRAPOWICKI, T.; KHUPKOWSKA, W.

Influence of war on development of rickets in Poland. Pediat.
polska 24 no.12:1074-1084 Dec 50. (CJML 20:5)

1. Of Children's Hospital No.1 in Warsaw (Director--Prof.R.Stan-
kiewicz,M.D.)

CHRAPOWICKI, T.

50 years of medical activities of M. Michalowicz. Pediat. polska
26 no. 10:1073-1080 Oct. 1951. (CML 21:3)

CHRAPOWICKI, T.

Characteristics of the course of Heins-Medin disease in acute stage
in patients treated in Warsaw in 1951. *Pediat. polska* 27 no. 7:801-
818 July 1952. (CLML 22:4)

1. Of the H₁₄ Department (Director--E. Pomerska, M. D.) Head-Physician
--Docent T. Chrapowicki, M. D.) of Warsaw Municipal Hospital No. 1.

CHRAPOWICKI, Tadeusz; PAKULA, R.; PATZEROWA, T.; BUDZYNOWSKA, J.

Antistreptolysins in children with rheumatic fever. *Pediat. polska* 30 no.12:1137-1144 Dec 55.

1. Z Oddziału Wewnętrznego Miejskiego Szpitala Dziecięcego Nr. 1. w Warszawie. Kierownik Oddziału: prof. dr. med. T. Chrapowicki i z Działu Ziarenkowców Państwowego Zakładu Higieny w Warszawie Kierownik: prof. dr. R. Pakula. Warszawa, Krakowskie Przedmieście 16/18 m. 27.

(STREPTOLYSIN, antagonists

antistreptolysin in rheumatic fever in child)

(RHEUMATIC FEVER, diag.

antistreptolysin-O test in child)

EXCERPTA MEDICA Sec 7 Vol. 11/11 Pediatrics Nov 57

2913. CHRAPOWICKI T. Krakowskie Przedmiescie 16/18 m. 27, Warszawa. *Hypercalcaemia idiopathica infantum. Idiopathic hypercalcaemia in infants PEDIAT. POL. 1956, 31/11 (1265-1268)

The author gives a history of the disease, its symptoms, probable causes and treatment.

CHRAPOWICKI, Tadeusz

Periarteritis nodosa in children. Pediat. polska 32 no.1:
77-82 Jan 57.

1. Adres: Warszawa, ul. Krakowskie Przedmieście 16/18 m. 27.
(PERIARTERITIS NODOSA, in inf. & child
(Pol))

CHRAPOWICKI, Tadeusz; PATZEROWA, Teresa

Clinical significance of tuberculous rheumatism. *Pediat. polska* 34
no.1037-1045 Aug 59.

1. Z Oddz. Wewnętrznego Miejskiego Szpitala dla Dzieci Nr 1 w Warszawie
Kierownik Oddziału: prof. dr med. T. Chrapowicki.
(TUBERCULOSIS, compl.) (RHEUMATISM, compl.)

CHRAPOWICKI, Tadeusz; SZEMCZYKOWSKA, Mirosława

Attempted evaluation of the effects of rheumatic disease on the respiratory system. *Pediat. polska* 34 no.7:919-929 July 59.

1. Z Oddziału Wewnętrznego Miejskiego Szpitala Dziecięcego Nr 1
w Warszawie Kierownik Oddziału: prof. dr med. T. Chrapowicki.
(RHEUMATIC FEVER, physiol.)
(RESPIRATION, physiol.)

CHRAPOWICKI, Tadeusz; PATZNEROWA, Teresa

Problem of reactivity of children to penicillin. *Pediat. polska* 34
no.9:1153-1161 Sept 59.

1. Z Oddziału Wewnętrznego Miejskiego Szpitala dla Dzieci nr 1 w
Warszawie Kierownik Oddziału: prof. dr med. T. Chrapowicki .
(PENICILLIN, ther.) (PEDIATRIC DISEASES, ther.)

CHRAPOWICKI, Tadeusz; PATZER, Teresa; ZIENKIEWICZ, L.

Use of subvaccine in children. Wiad. lek. 18 no.17:1381-1386
1 S '65.

1. Z Oddz. Dziecięcego Centr. Szpitala Klin. Ministerstwa Spraw
Wewnętrznych w Warszawie (Kierownik: prof. dr. med. T. Chrapowicki).

CHRAPPA, I.; KHANDL, I.

Arthrodesis of the talocrural joint in unsatisfactory states
after ankle fractures. Acta chir. orthop. traum. Cech. 31
no.4:333-338 Ag '64.

1. Ortopedická klinika Lekarské fakulty University Komenského
v Bratislavě (prednosta prof. dr. J. Cervenansky).

CHRAPPA, Vincent, Inz.

Cooperation of research with the press. Vestnik CSAZV 7 no.3:
174-175 '60. (EEAI 9:7)
(Czechoslovakia--Agriculture)
(Czechoslovakia--Press)

CHRAPPA, Vincent, Inz.

Activities of the Section for Animal Production and Veterinary
Medicine. Vestnik CSAZV 7 no.4:222-223 '60. (EEAI 9:9)
(Czechoslovakia--Animal industry)
(Czechoslovakia--Veterinary medicine)

CHRAPPA, Vincent, inz.

Situation in sheep breeding in Slovakia. Vestnik CSAZV 7 no.8:429-
432 '60. (EEAI 10:3)
(Czechoslovakia--Sheep)

CHRAPPA, Vincent, Inz.

Scientific discussion of the problems of swine breeding. Vestnik
CSAZV 8 no.4:246-248 '61. (EEAI 10:6)
(Czechoslovakia--Swine)

CHRAPPA, Vincent, inz.

Conference on Crossbreeding of Beef Cattle in Slovakia. Vestnik
CSAZV 8 no.11:638-639 '61.

(Beef cattle)

CHRAPPA, Vincent, inz.

A scientific discussion on swine breeding. Vestnik CSAZV 9 no.2:
111-114 '62.

CHRASKOVA, Jana, inz.

Cartographic elaboration of soil maps and cartograms of
the complex soil survey in Czechoslovakia. Geod kart obzor
10 no. 3: 69-70 Mr '64.

1. Institute of Geodesy and Cartography, Pardubice.

CHRAST, B.

On the problem of spasms of the cerebral arteries. Critical review. Cas. lek. cesk. 102 no.34:Lek. ved. zahr. 8:145-162 23 Ag '63.

1. Neurologické oddělení OUNZ Brno-venkov, vedoucí MUDr. B. Chrast.

(CEREBRAL ARTERIOSCLEROSIS)

(CEREBRAL ARTERY DISEASE)

(CEREBRAL EMBOLISM AND THROMBOSIS)

(CEREBRAL ANGIOGRAPHY) (HYPERTENSION)

CHRAST, B.

Electroencephalographic diagnosis and localization of cerebral tumors.
Lek. listy, Brno 6 no.16:490-495 15 Aug 51. (CIML 21:4)

1. Of the Clinic for Nervous Disorders (Head--Prof. Karel Popek, M.D.),
Brno.

CHRAST, B.

3411

Klin. chor. nervovych v Brna. Nase zkusenosti s EEG u nadoru jednotlivych krajín mozkovych a u jejich pruvodnich jevu Our experiences with the EEG in different localizations of brain tumours; concomitant phenomena Lek. Listy 1951, 6/24 (753-758) Graphs 4 Tables 1
Thirty-three cases of brain tumours were studied. Delta rhythm as a focal electrical manifestation appeared most often in frontal, less often in temporal localization. Phase reversal seemed characteristic rather for fronto-parieto-temporal tumours than for purely frontal tumours. Spikes or sharp waves were present especially in temporal and partly in fronto-parieto-temporal tumours. They were never present in frontal localization. The tumours localized in the ponto-cerebellar angle did not present any electrical changes as long as they did not attain larger dimensions. The localization in the posterior fossa caused a diffuse electrical alternation with temporary preponderance of one hemisphere, registered especially in occipital leads. In other cases there is only a slightly modified or normal EEG even when there is a definite papilloedema. Using the normal registration it is difficult to recognize a deep subcortical tumour. In such cases there is a combination of polymorph peritumorous delta waves with monoform remote pathological waves, or they are positive spikes. The frontal tumours seemed to be most accurately localized electrically. In 85.2% surgically useful localization was reached. A pronounced hydrocephalus makes the EEG localization difficult. Epilepsy caused by brain tumours did not change the EEG. Its tumours character remained unchanged.

Honner - Prague

So: Excerpta Medica, Section VIII, Vol. 5, No.9, September 1952

CHRAST, B.

Possibility of clinical diagnosis of thrombosis of the carotid artery. Lek. listy, Brno 8 no. 2:42-47 15 Jan 1953. (CLML 24:2)

1. Of the Neurological Clinic (Head--Prof. K. Popek, M.D.) of Masaryk University, Brno.

CHRAST, B. Z.

CHRAST B. Z. kiln. chorob nervovych MU Berne. *Wallenberguv syndrom. The syndrome of Wallenberg LEK. LISTY 1953, 8/5 (104-111) Illus. 3

A study of 12 cases, 7 of which are described in detail. The diagnosis is based on past history and neurological findings. The onset is sudden and violent, with vertigo, vomiting, headache, dysphagia, clumsiness of the limbs of one side of the body, sometimes there is also a diplopia, hiccup, feeling of something hot being spilled over the body, photophobia. Neurological examination reveals a nystagmus toward the effected side, an ipsilateral Horner's syndrome, abolition of corneal reflex, involvement of cranial nerves V, IX, X, XI; the VII and XII are rarely involved. There is also a cerebellar deficiency syndrome and dissociated disturbance of sensation of the heterolateral side. The syndrome of Wallenberg is not identical with the involvement of the art. cerebellaris posterior inferior. The syndrome does not appear only when this artery is affected; it is met also when other vessels of the medulla oblongata are affected; especially when the art. basilaris or vertebralis are involved. The syndrome is not an aetiological unity but it is a well-defined clinical picture. It is more frequent than has been previously thought.

Hemner - Prague

SO: EXCERPTA MEDICA, Section 8, Vol. 7, No. 5. May 1954

CHRAST, Bohumil, MUDr, klinicky asistent

Cerebellar migraine; associated form of opthalmic migraine, migraena
dien-mesen-meten-cefalica et psychica. Lek. listy, Brno 9 no.12:
271-276 15 June 54.

1. Z kliniky chorob nevovych MU v Brne. Prednosta prof. MUDr Karel
Popek.

(MIGRAINE,
migraena dien-mesen-meten-cephalica et psychica)

EXCERPTA MEDICA Sec.11 Vol.8/12 O.R.L. Dec 1955

2292. ^{chrast}CHRÁST B. and KAMENÍK M. Klin. chor. nerv. MU, Brno. "Oboustranné nádory sluchového nervu. Bilateral acoustic nerve tumours LÉK. LISTY 1954, 9/20 (469-473) illus. 1
Report of 2 cases. A table of published bilateral neurinoma is included, beginning with Albers in 1850 and ending with Grekov in 1951. (Seventy-six cases.)
Henner - Prague (VIII, 11)

EXCERPTA MEDICA Sec 8 Vol 9/8 Neurology Aug 56

3256. CHRÁST B. and SALAQUARDA F. Neurol. Klin. MU, Brno.; Pathol-anat. Ust. MU, Brno. *Místní typ nervových poruch při diskující výduť aorty. Spinal disturbances in a case of dissecting aortic aneurysm VNITŘ. LÉK. 1955, 1/8 (583-590) Illus. 3
A female, 58-year-old, suddenly felt tightness in her chest which was followed immediately by a bilateral palsy of both lower extremities. A flaccid paraplegia with sensory and sphincter disturbances developed. There were severe pains in the sacral region and belching. The patient died 24 hr. after the onset. Autopsy showed a dissecting aortic aneurysm involving the left carotid and the right renal artery. The aneurysm, caused by luetic mesaortitis, provoked a myelomalacia 2 cm. above the medullary cone. A review of the literature dealing with neurological complications of dissecting aortic aneurysm is given.

Jirout - Prague (VIII, 6)

CHRAST, Bohumil, MUDr.; NEDBAL, Jaroslav, MUDr.

Solitary hemorrhage into the pons varolii. Neur. psychiat.
cesk. 18 no.4:255-263 July 55.

1. Neurologicka klinika MU v Brne. Prednosta prof. MUDr.
Karel Popek.

(CEREBRAL HEMORRHAGE
solitary hemorrh. into pons)
(PONS, hemorrhage
solitary)

CHRAST, Bohumil, MUDr.; NEDBAL, Jaroslav, MUDr.

Associated and secondary hemorrhage into the brain stem, with special reference to hemorrhage to pons varolii. Neur. psychiat. cesk. 18 no.4:263-275 July 55.

1. Neurologická klinika MU v Brně. Prednosta prof. MUDr.

Karel Popek.

(CEREBRAL HEMORRHAGE

associated & secondary hemorrh. into pons & brain stem.)

(PONS, hemorrhage

associated & secondary)

(BRAIN STEM, hemorrhage

associated & secondary)

CHRAST, Bohumil, MUDr.; GOTTWALD, Otta, MUDr.

Ocular disorders in thrombosis of the coronary artery; clinical studies of 30 cases with review of the literature. Cesk. ofth. 12 no.5:358-377 Oct 56.

1. Neurologická klinika MU v Brně, přednosta prof. Dr. Karel Popel
Oční klinika MU v Brně, přednosta prof. Dr. B. Slavík.
(CORONARY DISEASE, manifestations,
thrombosis, ophthalmoscopy (Cz))
(OPHTHALMOSCOPY, in various diseases,
coronary thrombosis (Cz))

~~CHRAST, DOMESTI~~

Late papilledema in subarachnoid hemorrhage. Cesk. neur. 20
no.2:118-127 Mar 57.

1. Neurologicka klinika Masarykovy university v Brne; prednosta
prof. MUDr. Karel Popek.

(NERVES, OPTIC, dis.

papilledema in subarachnoid hemorrh. (Cz))

(SUBARACHNOID HEMORRHAGE, compl.

papilledema (Cz))

EXCERPTA MEDICA Sec 8 Vol 12/12 Neurology Dec 59

5999. PRIMARY CEREBELLAR BLEEDING - Primární mozečková krvácení. (Anatomicko-klinická studie) - Chrast B. and Nedbal J. Neurol. Klin. MU, Brno - ČSL. NEUROL. 1958, 21/3 (187-201) Graphs 3 Tables 6 Illus. 1

By an anatomical and clinical study of 23 cases of primary cerebellar bleeding it is concluded that primary cerebellar bleeding constitutes 6.4% of all cerebral primary bleeding and 2.2% of all lethal cases of apoplexy in general. The ratio of supratentorial cerebral bleeding to cerebellar bleeding is 15.3:1. Bleeding most frequently involves the cerebellar hemispheres, with no preference for laterality. Haemorrhage into the left cerebellar hemisphere is frequently followed by the invasion of blood into the IVth ventricle and the patients succumb more rapidly than with bleeding into the right hemisphere. The most important factor in the aetiology is hypertension and arteriosclerosis; only one patient had a BP lower than 160, 35% had a systolic pressure higher than 240 and 30% had diastolic pressures higher than 130. With the exception of intracerebellar haematomata, cerebellar bleeding is an affection of advanced age; only one patient, with blood dyscrasia, was younger than 50. Cerebellar bleeding is very malignant; the average period of survival was 3.6 days, 22% died within 12 hr., and 37.5% arrived at the hospital already in deep coma. Left-sided bleeding is far more malignant than right-sided (86%: 25% mortality within 24 hr.). The onset is usually sudden and apoplectic, with a short prodromal period of sharp pain in the back of the head and dizziness. Half the patients vomited en route to hospital. Cerebellar signs, apart from muscular hypotony, are quite rare. The majority of cases show brain stem signs; The authors observed 2 cases of alternating hemiplegia of the Millard-Gubler type, and half of the patients showed facial weakness on the same side as the cerebellar lesion. Otherwise (2 cases) cerebellar bleeding ran a course similar to subarachnoid bleeding, with marked meningeal symptoms. One patient had a pathological positioning of the head, as is observed in cerebellar tumours. In half of the patients there were pupillary disturbances and pyramidal signs in the lower extremities. The clinical forms of cerebellar bleeding are divided into 4 types: foudroyant, pseudotumorous (intracerebellar haematoma), meningeal and benign. This differentiation has practical importance, since only the pseudo-tumorous and meningeal forms should be surgically treated.

(VIII, 20)

CHRAST, Bohumil; VAGNER, Boris

Role of the visualization of the arteria cerebialis posterior in angiography of the arteriae carotis internae (arteriographic studies). Rozhl. chir 34 no.2:81-93 F '60.

1. Neurologická klinika v Brně, přednosta prof. dr. Karel Popel; neurochirurgické oddělení I. chirurgické kliniky v Brně, přednosta prof. dr. J. Podlaha.

(CEREBRAL ANGIOGRAPHY)

CHRAST, Bohumil; KALAB, Zdenek; SKALNIK, Jan

Observations on musicogenic epilepsy. Cesk. neurol. 25 no.1:50-59
Ja '62.

1. Neurologicka klinika lekarske fakulty University J. E. Purkyne v
Brne, prednosta prof. MUDr. K. Popek Neurologicke oddeleni Krajske
detske nemocnice v Brne, prednosta MUDr. V. Bolub.

(EPILEPSY physiol) (MUSIC)

CZECHOSLOVAKIA

CHRAST, B., MD, director of the Neurology Department (Neurologické oddelení), Hospital in Tisnov.

"Cerebral Arterial Spasms and Insufficiency of Cerebral Circulation"

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 4, July 1963, pp 217-223.

Abstract: The author discusses various views of the problem and draws the following conclusions: 1. With the advancing age and atherosclerotic effect on cerebral arteries the reaction ability of cerebral vessels decreases and the brain becomes more sensitive to insufficiencies. 2. Experience shows that relapses occur mostly in the same places. 3. Cerebral arterial spasms can be provoked experimentally only by stimuli which differ widely from normal conditions in human physiology and pathology. 4. Spasms play an insignificant part in the origin of temporary cerebral circulatory disturbances, however, they exist. The origin of spasms should be looked for in the vessel walls and their changes caused by aging. 5. Phenomena taking place in the intracranial cavity and brain vessels cannot be studied separately from phenomena occurring in the whole organism.

1/1 No references.

CHRAST, B.

Neurology of the cervical spine. Acta chir. orthop. traum. cech.
31 no.2:172-184 Ap '64.

1. Neurologické oddelení nemocnice v Tisnově (vedoucí MUDr.
B.Chrast).

CHRAST, B.

Neurological considerations on painful and functional syndromes
of the shoulder region. Acta chir. orthop. traum. Cech. 32 no.5:
457 0 '65.

1. Neurologické oddelení nemocnice v Tisnově (vedoucí MUDr.
B. Chrást).

EISELT, Evzen; CHRASTEK, Josef

Reproducibility of rheoplethysmographic values of the stroke & minute volume of the heart. Sborn. lek. 60 no.12:370-376 Dec 58.

1. IV. interni klinika fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta prof. dr. Bohumil Prusik Katedra telovychovneho lekarstvi fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta prof. dr. Jiri Kral.

(HEART, physiol.

rheoplethysmographic values of stroke & minute volume, reproducibility (Cz))

(PLETHYSMOGRAPHY

reproducibility of rheoplethysmographic values of stroke & minute volume of heart (Cz))

CHRASTEK, Josef; odborná spolupráce: NOVOTNY, Vl.; SMUTNA, R.

Contribution to the problem of physical efficiency in young subjects
with neurocirculatory asthenia. Cas.lek.cesk.99 no.36:1128-1136
2 S'60.

1. Katedra telovýchovneho lekarstvi, prednosta prof.dr. J.Kral, a
katedra telesne vychovy fakulty vseobecneho lekarstvi KU, Praha.
(PHYSICAL FITNESS)
(NEUROCIRCULATORY ASTHENIA physiol)

CHRASTEK, J.

Special physical education at the medical faculty of Charles University in Prague. Sborn. lek. '65 no.3:72-78 Mr '63.

1. Katedra telobychovneho lekarstvi fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. J. Kral.
(PHYSICAL EDUCATION AND TRAINING)

CHRÁSTEK, J. (MD)

CZECHOSLOVAKIA

CHRASTEK, J., MD.

Institute of Physical Education of the Faculty of General
Medicine of KU (Ústav telovýchovného lékařství fakulty
všeobecného lékařství KU), Prague

Prague, Praktický lékař, No 15, 1963, pp 561-563

"Contribution of Preventative Physical Education."

CHRASTI, J.; PETRU, E.

Physiology of the anthocyanin formation in the root explants of carrots
(Daucus carota L.) p. 334.
(CESKOSLOVENSKA BIOLOGIE, Vol. 5, No. 6, Nov 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

CHRASTI, J.

Dynamic studies of the plastid pigments of carotene, xanthophyll, chlorophyll, and phytol. p. 337. (CESKOSLOVENSKA BIOLOGIE, Vol. 5, No. 6, Nov 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

CHRASTIL, J.

Chrastil, J.; Pospisil, O.; Retovsky, R. Metabolism of glycosides and of caoutchouc during the first vegetative period of the Taraxacum kok-saghyz. p. 223. CESKOSLOVENSKA BIOLOGIE. Praha. Vol. 3, no. 4, Aug. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

CHRASTIL, J.

Effect of inhibitors on the biosynthesis and metabolism of caoutchouc in kòk-saghyz.
p. 359

CESKOSLOVENSKA BIOLOGIE, Vol. 3, No. 6, Nov. 1954

SO: Monthly List of EastEuropean Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

Czechoslovakia/Plant Physiology

Respiration and Metabolism

H-2

Abs Jour : Referat. Zh - Biol., No 6, 25 March 1957, 22333

Author : Pospishil, Khrastil

Inst : Not given

Title : Paper chromatography of carbohydrates from Taraxacum
kok-saghyz

Orig Pub : Ceskosl. biol., 1954, 3, No 6, 363-365

Abstract : The carbohydrate metabolism of roots, leaf bases and summits of flowering and non-flowering annual and biennial plants was studied on aqueous extracts of kok-saghyz by paper chromatography. In the roots of flowering and non-flowering biennials free glucose, fructose and sucrose are found. In leaf tops of non-flowering biennials fructose is found, which is absent either in tops or at the base of leaves in flowering biennials. The roots of non-flowering annuals contained glucose, fructose and sucrose; in roots of flowering annuals free glucose was absent. In leaf tops of flowering and non-flowering annuals the composition of sugars was the same. The roots and leaves of non-flowering annuals did not differ in sugar composition from those of the non-

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Czechoslovakia/Plant Physiology

Respiration and Metabolism

H-2

Abs Jour : Referat. Zh - Biol., No 6, 25 March 1957, 22333

flowering biennials. The flowering biennials are characterized by having glucose in the root and fructose in the leaves. Fructose and maltose were found in the stalks of flowering plants. In roots of flowering biennials no triose or aliphatic aldehydes were found, which accumulate during the flowering period in the bases and summits of outer leaves.

Card 2/2

-8-

CZECH

✓1917. Determination of natural rubber by permanganate titration in non-aqueous medium. I. CHRASTIL. *Chem. Listy*, 1954, 48, 731-3; *Chem. Abstr.*, 1954, 48, 14271. Natural rubber obtained from plant material by carbon tetrachloride extraction can be determined by potassium permanganate titration in anhydrous medium, 1 mole of isoprene being equivalent to 1 of oxygen. Roots or leaves of kok-saghyz (1 to 5 g) were extracted for 10 h with 50 ml acetone to remove rosin, the rubber is extracted three times for 5 h with carbon tetrachloride (special apparatus), the extract is diluted to 100 to 200 ml and a 1 to 5 ml sample is treated with 1 to 5 drops of a mixture of 60% sulphuric acid and acetic acid 1 : 1, and titrated with 0.01 N permanganate until the rose colour lasts 10 min. A blank is subtracted. 342

CHRÁSTIL, J.

V. The exosmosis of flavanone from root explantations of *Arachis hypogaea*. E. Petrá and J. Chrastil (Czech Acad. Sci., Prague). *Folia Biol.* 1, 310-312 (1955) (in English).--The production and exosmosis of a 3',4'-dihydroxy-flavanone pigment from isolated root tips of *A. hypogaea* cultivated *in vitro* are described. An investigation of the influence of temp., compn. of the medium, bacteria, molds, and inhibitors on the intensity of pigment production indicates that flavanone takes part in oxidation-reduction processes in the root, i.e. in aerobic oxidation of glucose via the chromogene system and, therefore, it is conceivable that when aerobic metabolism is slowed down by the action of inhibitors, a raised production of flavanone results.

Joyce E. Lund

①

✓ Excretion of a flavanone by explants of peanuts. B. Petrá and J. Chrástlí (Czechoslov. Acad. Sci., Prague). *Czechoslov. Biochem. J.* 6, 102-4 (1955).—Excised germinating roots of *Arachis hypogaea*, grown in media contg. mineral salts, sucrose, and vitamins, elaborated and excreted a yellow pigment. On the basis of color reactions and ultraviolet absorption spectra, this pigment is considered to be 3',4'-dihydroxyflavanone and may be identical with the compd. isolated by Lundegårdh, *et al.* (*C.A.* 42, 5957a). Lower temps. (12-18°), presence of malonic acid, NaN_3 , and of As_2O_3 , as well as bacterial or fungal contamination, enhanced production of this pigment. Its function in the oxido-reductive processes in the root is indicated. Cf. *C.A.* 43, 641a, 3101b. Oldrich Sebek

KHRASTIL

CZECHOSLOVAKIA / Plant Physiology. General Problems

H-1

Abs Jour : Ref Zhur - Biol., No 16, 25 Aug 57, No 68907

Author : Khrastil

Title : A Study of Pigment Dynamics in Plastids, Carotene, Xanthophyll, Chlorophyll and Phytol.

Orig Pub : Ceskosl. biol., 1956, No 6, 337-343

Abstract : In the growing period of 1954-1955 the pigment and phytol content in the plastids of the Niva, Khlumetskaya 12 wheat varieties were determined every 2-3 days. The presence of an indirect link between the accumulation of phytol and carotenoids led the authors to the conclusion that there is a common precursor for these substances. The uniformity in the relationships between the quantity of chlorophyll and carotenoids for various varieties and their stability in different phases of plant growth were established. It is suggested that the accumulation of pigments is related to internal metabolic changes which are determined by a complex of factors of the external and internal environment. Bibl. 20 refs.

Card 1/1

KHRASIL, ~~FR~~
CZECHOSLOVAKIA

Plant Physiology. Respiration and Metabolism.

H-2

Abs Jour : Ref Zhur - Biol., No 16, 25 Aug 57, No 68922

Author : Khrastil, Petru

Title : The Physiology of Anthocyanin Formation in Exploited
Carrot Roots.

Orig Pub : Ceskosl. biol., 1956, 5, No 6, 334-336

Abstract : By growing carrots in vitro it was established that in some varieties the formation of anthocyanin is a hereditary property. The anthocyanin-forming tissues differed in having more intense respiration and in ability to accumulate glucose. It is surmised that the greater part of glucose is spent in formation of anthocyanin.

Card 1/1

Chrastil J.

✓ Identification of carbohydrates in kok-saghyz (*Taraxacum kok-saghyz*) and chromatography of apiose. J. Chrastil

2 mg 4/5

(Čsl. akad. věd, Prague). *Chem. Listy* 50, 163-4 (1956). — Chromatography of the hydrolyzates of 1.5 g. dried kok-saghyz root (cf. Pospíšil and Chrastil, *Českoslov. Biol.* 3, 303 (1954)) on Whatman No. 1 paper with the system: BuOH:AcOH:H₂O 4:1:5 at 19° gave 750 mg. xylose, m. 148°, *R_f* 0.26-7, phenylsazone, m. 159-61°, 640 mg. ribose, *R_f* 0.29-30, m. 94°, phenylsazone, m. 162-3°, and 610 mg. apiose, *R_f* 0.39, phenylsazone, m. 154-6°, p-bromophenylsazone, m. 200°. M. Hudlický

MT

CZECHOSLOVAKIA/Physiology of Plants. Photosynthesis.

I-2

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1130.

Author : Liebster, Jindrich; Chrastil, Josef; Babicky, Arnost.

Inst :

Title : Preparation of Glucose C¹⁴ by Using Photosynthesis.

Orig Pub: Ceskosl. biol., 1957, 6, No 2, 150-154

Abstract: No abstract.

Card : 1/1

-15-

CHRASTIL, Josef

Determination of formic acid in tanning liquors and pickling agents.
Kozarstvi 13 no.10:301-302 0 '63.

Determination of aluminum in tanning liquor and in entry control
of aluminum salts. Ibid.:302-303

1. Kara, n.p., Trutnov.

CHRASTINA, J.; JERABEK, A.; ENENKL, V.

Thermodynamics of the drying process and the design of a drying plant for
Mitopan artificial felt. p. 253. (Strojirenstvi, Vol. 7, No. 4, Apr 1957,
Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.